CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

An ISO 9001:2008 Certified Company

NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

JAS-ANZ BSCIC ISO 9001 REGISTERED

Job No.: CTCE/BBMP/W.No.13/KRIDL/CEMENT/2014-15 Date: 07.07.2014

TEST REPORT

CLIENT	:	**Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.
AGENCY	:	**Mr. B.T. Ravikumar,** Contractor, Bangalore.
NAME OF THE WORK	:	Improvements to Roads & drains in Vishala public School road Eastern side & other road, in Ward No.13, in SSD, BBMP, Bangalore.
REFERENCE	:	EE/DD/WO/214/2013-14 Dated: 27.01.2014
SAMPLE ID	:	CEMENT
SAMPLES SUPPLIED BY	:	AGENCY

The results of the tests conducted on the cement sample are as follows:

Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 1989-2013
1	Standard Consistency	IS-4031 (Part -4)	29.50 %	-
2	a) Initial Setting Time	IS-4031 (Part -5)	150 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5)	485 Minutes	Not More than 600 Minutes
3	Soundness by the Le-Chatelier method	IS-4031 (Part 3)	1 mm	Not more than 10 mm

Note:

⇒ The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒ The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒ Any Query regarding the report must be reported within 30 days from the date of testing.

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Job No.: CTCE/BBMP/W.No.13/KRIDL/SAND/2014-15 : 07.07.2014

TEST REPORT ON FINE AGGREGATES
IS 383-1970 (RA- 2002)

Client : **Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.

Agency : **Mr. B.T. Ravikumar,** Contractor, Bangalore.

Name of Work : Improvements to Roads & drains in Vishala public School road Eastern side & other road, in Ward No.13, in SSD, BBMP, Bangalore.

Reference : EE/DD/WO/214/2013-14 Dated: 27.01.2014

Date of Testing : 07.07.2014

Material : Sand

Total Wt. of Aggregates in gms **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	50	5.00	5.00	95.0	90-100
2.36	170	17.00	22.00	78.0	75-100
1.18	180	18.00	40.00	60.0	55-90
600 Micron	215	21.50	61.50	38.5	35-59
300 Micron	165	16.50	78.00	22.0	8-30
150 Micron	165	16.50	94.50	5.5	0-10

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Job No.: CTCE/BBMP/W.No.13/KRIDL/AGG/2014-15 : 07.07.2014

TEST REPORT ON COARSE AGGREGATES
IS 383-1970 (RA- 2002)

Client : **Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.

Agency : **Mr. B.T. Ravikumar,** Contractor, Bangalore.

Name of Work : Improvements to Roads & drains in Vishala public School road Eastern side & other road, in Ward No.13, in SSD, BBMP, Bangalore.

Reference : EE/DD/WO/214/2013-14 Dated: 27.01.2014

Date of Testing : 07.07.2014

Material : 40mm Aggregates

Total Wt. of Aggregates in gms **10000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
80	0	0	0	100	100
40	325	3.25	3.25	96.75	95-100
20	5240	52.40	55.65	44.35	30-70
10	2515	25.15	80.80	19.20	10-35
4.75	1585	15.85	96.65	3.35	0-5

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